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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/815,091	03/31/2004	Yu-Chuan Liu	TEK-002005	7336

7590 04/18/2006

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EXAMINER

KARIMY, MOHAMMAD TIMOR

ART UNIT	PAPER NUMBER
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2815

DATE MAILED: 04/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/815,091

Applicant(s)

LIU ET AL.

Examiner

Mohammad Timor Karimy

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 31 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-39 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☒ Claim(s) 5, 9-11, 24, 28-30 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

Election/Restrictions

1. Claims 1-19 is directed to an allowable product. Pursuant to the procedures set forth in MPEP § 821.04(B), claims 21, 23-39 are directed to the process of making or using an allowable product, previously withdrawn from consideration as a result of a restriction requirement, linking claims 20 and 22, and 21, 23-38 are hereby rejoined and fully examined for patentability under 37 CFR 1.104.

Because all claims previously withdrawn from consideration under 37 CFR 1.142 have been rejoined, the restriction requirement as set forth in the Office action mailed on 12/12/2005 is hereby withdrawn. In view of the withdrawal of the restriction requirement as to the rejoined inventions, applicant(s) are advised that if any claims including all the limitations of an allowable product claim or rejoined process claim are presented in a continuation or divisional application, such claims may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once the restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

Specification

2. The disclosure is objected to because of the following informalities: Page 5, line 23 refers to a protective layer 114. This protective layer 114 is not mentioned in any of the drawings. Also page 6, line 9-10 refers to both the base substrate and the light-emitting unit using reference numeral 200.

Appropriate correction is required.

Claim Objections

3. Claims 5, 9-11, 24, 28-30 are objected to because of the following informalities:

4. Claim 5 recites the limitation "or the like" in line 5. There is insufficient antecedent basis for this limitation in the claim.

5. Claim 9 recites the limitation "or the like" in line 2. There is insufficient antecedent basis for this limitation in the claim.

6. Claim 11 recites the limitation "or the like" in line 12. There is insufficient antecedent basis for this limitation in the claim.

7. Claim 24 recites the limitation "or the like" in line 5. There is insufficient antecedent basis for this limitation in the claim.

8. Claim 28 recites the limitation "or the like" in line 2. There is insufficient antecedent basis for this limitation in the claim.

9. Claim 29 recites the limitation "or the like" in line 6. There is insufficient antecedent basis for this limitation in the claim.

10. Claim 30 recites the limitation "or the like" in line 11 and 12. There is insufficient antecedent basis for this limitation in the claim.

Allowable Subject Matter

11. Claims 1-39 is allowed.

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12. Claims 5, 9-11, 24, 28-30 are objected to above, but they would be allowable if the aforementioned informalities are corrected.

13. The following is an examiner's statement of reasons for allowance:

The prior art reference number of US 6903376 B2 (Shen et al.) discloses in figure 10(b) a light-emitting device that includes a light-emitting region with a plurality of connecting pads; however, the prior art lacks a base substrate configured to emit a second light radiation when stimulated by the first light radiation.

US 6650044B1 (Lowery) discloses a light-emitting device that includes a light emitting region with a plurality of connecting pads; however, the prior art do not disclose a base substrate configured to emit a second light radiation when stimulated by the first light radiation (see the Abstract, column 1, lines 16-19, and figure 2).

US 6509651B1 (Matsubara et al) discloses in figure 3(b) a base substrate 9 configured to emit a second light radiation when stimulated by the first light radiation (see the Abstract). However, Matsubara et al. do not disclose a light-emitting unit with a plurality of connective pads. Also, this reference does not disclose a plurality of conductive bumps.

With respect to claim 1, US 6903376 B2 (Shen et al.) and US 6650044B1 (Lowery) lack a base substrate configured to emit a second light radiation when stimulated by the first light radiation.

With respect to claim 20, US 6903376 B2 (Shen et al.) and US 6650044B1 (Lowery) lack a base substrate configured to emit a second light radiation when stimulated by the first light radiation.

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The prior arts US 6903376 B2, 6650044B1 and 6509651B1 are not combinable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

14. This application is in condition for allowance except for the following formal matters:

Objections to the specification and claims.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

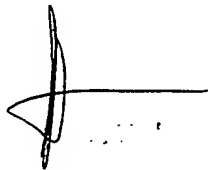
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohammad Timor Karimy whose telephone number is 571-272-2006. The examiner can normally be reached on 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ken Parker can be reached on 571-272-2298. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

mtk

A handwritten signature in black ink, appearing to be 'K. Parker', with a stylized horizontal line extending to the right.

KENNETH PARKER
SUPERVISORY PATENT EXAMINER